

ABSTRACT

A spraying system is provided including a spray gun and a spray nozzle. The spray gun has a discharge end. A locating pin is arranged on the discharge end of the spray gun. The spray nozzle is selectively mountable on the discharge end of the spray gun. The spray nozzle has a discharge orifice configured to produce a asymmetrically distributed fluid discharge pattern wherein the location of maximum fluid discharge is offset from the center of the fluid discharge pattern. The spray nozzle has an alignment notch extending along an outer surface of the spray nozzle. The locating pin is arranged on the spray gun and the alignment notch is arranged on the spray nozzle such that when the spray nozzle is mounted on the discharge end of the spray gun in a predetermined orientation the locating pin extends into the alignment slot.